

**Amendments to the Specification:**

Please add the following new headings and paragraph after the Title.

CROSS-REFERENCE TO RELATED APPLICATION

This application is a U.S. National Stage application of PCT Application No. PCT/AT04/000240, filed 5 July 2004, which claims priority from Austrian Application No. A 1232/2003, filed on 4 August 2003.

FIELD OF THE INVENTION

Please add the following new heading prior to line 7 on page 1.

BACKGROUND OF THE INVENTION

Please add the following new heading prior to line 20 on page 1.

BRIEF SUMMARY OF THE INVENTION

Please amend the paragraph beginning at line 20 on page 1 as follows:

An ~~object-embodiment~~ of the present invention ~~is to produce~~ produces potentially separated synchronization impulses with simple means and with cleaner galvanic separation.

Please amend the paragraph beginning at line 22 on page 1 as follows:

This ~~object~~ is accomplished according to the present invention with a circuit for producing potentially separated synchronization impulses from an alternating voltage network, in which, according to the present invention, the power supply, rectified by means of a half-wave rectifier, lies on a voltage divider of a semiconductor switch, the emitting diode of an optocoupler is switched into the working range of the switch, whereby the working range has, in series with the emitting diode, a protective resistor, via which a storage capacitor can be periodically charged and can be discharged via the emitting diode and at least one transistor is arranged downstream of the receiving element of the optocoupler, which transistor is fed by a

voltage source that is galvanically separated from the network and in whose working range the essentially rectangular synchronization impulses are available.

Please add the following new heading prior to line 4 on page 3.

#### BRIEF DESCRIPTION OF THE DRAWING

Please add the following new heading prior to line 8 on page 3.

#### DETAILED DESCRIPTION OF THE INVENTION

Please add the following paragraph at the end of page 4:

Although the invention is illustrated and described herein with reference to a specific embodiment, the invention is not intended to be limited to the details shown. Rather, various modifications may be made in the details within the scope and range of equivalents of the claims and without departing from the invention.